

ABSTRACT OF THE DISCLOSURE

PROTECTION OF INTRINSICALLY SAFE CIRCUITS

The protection of potentially incendive circuits is achieved by a power system which comprises a power supply 5 connected by power distribution wiring to one or more modules, the or each module comprising an intrinsically safe circuit including a load, sensing means to detect the voltage supplied to the load, and a fast-acting switch arranged, in response to the detection of a decrease in the supplied voltage, to 10 disconnect the load in such manner as to prevent any series break upstream from the switch from becoming incendive.